

Title (en)  
ANTI-SOILING COATING FOR AN OPHTHALMIC LENS

Title (de)  
SCHMUTZABWEISENDE BESCHICHTUNG FÜR BRILLENGLAS

Title (fr)  
REVÊTEMENT ANTI-SALISSURE POUR LENTILLE OPHTALMIQUE

Publication  
**EP 3942357 A1 20220126 (EN)**

Application  
**EP 20773836 A 20200319**

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Abstract (en)  
[origin: US2020301047A1] A hydrophobic and/or oleophobic coating system for an ophthalmic lens having increased effective thickness and water contact angle. In one embodiment, the hydrophobic and/or oleophobic coating system comprises an anti-reflective coating applied to an ophthalmic lens, the anti-reflective coating comprising alternating layers of high and low index materials with an outer layer of silicon dioxide having exposed hydroxyl groups. A hydrophobic coating is applied to the anti-reflective coating, the hydrophobic coating comprising a silane with a hydrophobic group and fewer than three reactive groups capable of bonding to the exposed hydroxyl groups of the anti-reflective coating.

IPC 8 full level  
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